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APPLICATION NO.	O. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/938,235	35 08/23/2001		Frank Himmelsbach	5/1256	1687	
28505	7590	05/04/2005		EXAMINER		
MICHAEL	P. MOR	RIS		WARD, I	PAUL V	
BOEHRING	ER INGE	ELHEIM CORPORA	ATION			
900 RIDGEI	BURY RO	DAD		ART UNIT PAPER NUMBER		
P. O. BOX 368				1623		
RIDGEFIEL	D, CT	06877-0368		DATE MAILED: 05/04/200:	τ.	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)					
		09/938,235	HIMMELSBACH ET AL.	HIMMELSBACH ET AL.				
	Office Action Summary	Examiner	Art Unit					
		PAUL V. WARD	1623					
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1)	Responsive to communication(s) filed o	n						
2a) <u></u> ☐	This action is FINAL . 2b)	This action is non-final.						
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is							
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims								
4) 🖂	Claim(s) 1-13 is/are pending in the appl	ication.						
	4a) Of the above claim(s) <u>8</u> is/are withdrawn from consideration.							
· —	Claim(s) is/are allowed.							
	Claim(s) <u>1-7 and 9-13</u> is/are rejected.							
·	Claim(s) is/are objected to.							
ا_(8	8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers								
9) The specification is objected to by the Examiner.								
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
11)	ine oath or declaration is objected to by	the Examiner. Note the attache	a Oπice Action or form P1O-152.					
Priority under 35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
Attach-s-	t(a)							
Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)								
2) Notice 3) Information	te of Draftsperson's Patent Drawing Review (PTO-mation Disclosure Statement(s) (PTO-1449 or PTC r No(s)/Mail Date	948) Paper No	(s)/Mail Date Informal Patent Application (PTO-152)					

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Group 4 in the reply filed on February 17, 2005 is acknowledged.

Groups 1-3 and 5-12 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected subject matter, there being no allowable generic or linking claim.

Applicant reserved the right to file a divisional application to the non-elected subject matter.

An action on the merits of Group 4 (Claims 1-7 and 9-13—part of each—drawn to the compounds, composition and method of treatment of formula I) is contained herein.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 1. Claims 1-7 and 9-13 rejected under 35.U.S.C. 102(b) as being anticipated by Schnur et al. (U.S. Patent 5,747,498).

Applicant teaches bicyclic heterocycles having a general formula I:

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wherein all the variables are as defined in the claim.

Schnur teaches bicyclic heterocycles, which share the same formulaic compounds. (See col. 2, lines 1-13 and definitions). The compounds in the said reference have the same structure and falls within the range of Applicants compounds. (See examples 1-105, columns 17-36).

Since Schnur teaches the exact compounds, Applicant's claims are anticipated, and thus, rejected under 35 U.S.C. 102(b).

2. Claims 1-7 and 9-13 rejected under 35 U.S.C. 102(b) as being anticipated by Ife et al. (U.S. Patent 5,064,833).

Ife teaches bicyclic heterocycles, which share the same formulaic compounds. (See col. 1, lines 15-23 and definitions). The compounds in the said reference have the same structure and falls within the range of Applicants compounds. (See examples 1-57, columns 10-33). Since Ife teaches the exact compounds, Applicant's claims are anticipated, and thus, rejected under 35 U.S.C. 102(b).

3. Claims 1-7 and 9-13 rejected under 35 U.S.C. 102(b) as being anticipated by Bridges et al. (WO97/38983).

Bridges teaches bicyclic heterocycles, which share the same formulaic compounds. (See page 7 and definitions). The compounds in the said reference have the same structure and falls within the range of Applicants compounds. (See examples, pages 58-128). Since Bridges teaches the exact compounds, Applicant's claims are anticipated, and thus, rejected under 35 U.S.C. 102(b).

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4. Claims 1-7 and 9-13 rejected under 35 U.S.C. 102(b) as being anticipated by Gibson et al. (WO 96/33980).

Gibson teaches bicyclic heterocycles, which share the same formulaic compounds. (See Abstract, page 4 and definitions). The compounds in the said reference have the same structure and falls within the range of Applicants compounds. (See examples 1-32, pages 24-41). Since Gibson teaches the exact compounds, Applicant's claims are anticipated, and thus, rejected under 35 U.S.C. 102(b).

5. Claims 1-7 and 9-13 rejected under 35 U.S.C. 102(b) as being anticipated by Barker et al. (WO 96/33980).

Barker teaches bicyclic heterocycles, which share the same formulaic compounds. (See Abstract, page 4 and definitions). The compounds in the said reference have the same structure and falls within the range of Applicants compounds. (See examples 1-4, pages 19-23). Since Barker teaches the exact compounds, Applicant's claims are anticipated, and thus, rejected under 35 U.S.C. 102(b).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 6. Claims 1-7 and 9-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schnur et al. (U.S. Patent 5,747,498).

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Schnur teaches a generic group of bicyclic heterocycle derivatives, which embraces Applicants' claimed compounds. (See formula I, col. 2 and definitions for R¹, R² and etc). The claims differ from the reference by reciting specific species and a more limited genus than the reference. However, it would have been obvious to one having ordinary skill in the art at the time of the invention to select any of the species of the genus taught by the reference, including those instantly claimed, because the skilled chemist would have the reasonable expectation that any of the species of the genus would have similar properties, and thus, the same use as taught for the genus as a whole. One of ordinary skill in the art would have been motivated to select the claimed compounds from the genus in the reference since such compounds would have been suggested by the reference as a whole. A prior art disclosed genus of useful compounds is sufficient to render prima facie obvious a species falling within a genus. Thus, Applicant's claims are obvious, and therefore, rejected under 35 U.S.C. 103.

7. Claims 1-7 and 9-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over by Ife et al. (U.S. Patent 5,064,833).

Ife teaches a generic group of bicyclic heterocycle derivatives, which embraces Applicants' claimed compounds. (See formulae I-IV and Schemes I-III and definitions for R¹, R², etc). The claims differ from the reference by reciting specific species and a more limited genus than the reference. However, it would have been obvious to one having ordinary skill in the art at the time of the invention to select any of the species of the genus taught by the reference, including those instantly claimed, because the skilled chemist would have the reasonable expectation that any of the species of the genus

would have similar properties, and thus, the same use as taught for the genus as a whole. One of ordinary skill in the art would have been motivated to select the claimed compounds from the genus in the reference since such compounds would have been suggested by the reference as a whole. A prior art disclosed genus of useful compounds is sufficient to render prima facie obvious a species falling within a genus. Thus, Applicant's claims are obvious, and therefore, rejected under 35 U.S.C. 103.

8. Claims 1-7 and 9-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over by Bridges et al. (WO97/38983).

Bridges teaches a generic group of bicyclic heterocycle derivatives, which embraces Applicants' claimed compounds. (See formula I, page 7 and definitions for R¹, R², etc). The claims differ from the reference by reciting specific species and a more limited genus than the reference. However, it would have been obvious to one having ordinary skill in the art at the time of the invention to select any of the species of the genus taught by the reference, including those instantly claimed, because the skilled chemist would have the reasonable expectation that any of the species of the genus would have similar properties, and thus, the same use as taught for the genus as a whole. One of ordinary skill in the art would have been motivated to select the claimed compounds from the genus in the reference since such compounds would have been suggested by the reference as a whole. A prior art disclosed genus of useful compounds is sufficient to render prima facie obvious a species falling within a genus. Thus, Applicant's claims are obvious, and therefore, rejected under 35 U.S.C. 103.

9. Claims 1-7 and 9-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over by Gibson et al. (WO 96/33980).

Gibson teaches a generic group of bicyclic heterocycle derivatives, which embraces Applicants' claimed compounds. (See formula I and definitions for R¹, R²). The claims differ from the reference by reciting specific species and a more limited genus than the reference. However, it would have been obvious to one having ordinary skill in the art at the time of the invention to select any of the species of the genus taught by the reference, including those instantly claimed, because the skilled chemist would have the reasonable expectation that any of the species of the genus would have similar properties, and thus, the same use as taught for the genus as a whole. One of ordinary skill in the art would have been motivated to select the claimed compounds from the genus in the reference since such compounds would have been suggested by the reference as a whole. A prior art disclosed genus of useful compounds is sufficient to render prima facie obvious a species falling within a genus. Thus, Applicant's claims are obvious, and therefore, rejected under 35 U.S.C. 103.

10. Claims 1-7 and 9-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over by Barker et al. (WO 96/33980).

Barker teaches a generic group of bicyclic heterocycle derivatives, which embraces Applicants' claimed compounds. (Abstract, formula and definitions for R¹, R²). The claims differ from the reference by reciting specific species and a more limited genus than the reference. However, it would have been obvious to one having ordinary skill in the art at the time of the invention to select any of the species of the genus

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taught by the reference, including those instantly claimed, because the skilled chemist would have the reasonable expectation that any of the species of the genus would have similar properties, and thus, the same use as taught for the genus as a whole. One of ordinary skill in the art would have been motivated to select the claimed compounds from the genus in the reference since such compounds would have been suggested by the reference as a whole. A prior art disclosed genus of useful compounds is sufficient to render prima facie obvious a species falling within a genus. Thus, Applicant's claims are obvious, and therefore, rejected under 35 U.S.C. 103.

Conclusion

Claims 1-7 and 9-13 are pending. Claims 1-7 and 9-13 are rejected. No claims are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PAUL V WARD whose telephone number is 571-272-2909. The examiner can normally be reached on M-F 8 am to 4 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James O Wilson can be reached on 571-272-0661. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Richard Raymond,

Primary Patent Examiner, Technology Center 1600